

WHAT IS CLAIMED IS:

1. For use with a portable cell phone, a proximity regulation system, comprising:

a location sensing subsystem configured to determine a location of said portable cell phone proximate a user; and

a power governing subsystem, coupled to said location sensing subsystem, configured to determine a proximity transmit power level of said portable cell phone based on said location.

2. The proximity regulation system as recited in Claim 1 wherein said proximity transmit power level is reduced when said location is within a vicinity of a user's head.

3. The proximity regulation system as recited in Claim 1 wherein said proximity transmit power level is limited to a predetermined maximum level.

4. The proximity regulation system as recited in Claim 1 wherein said proximity transmit power level is maximum when said portable cell phone is operating in a headset operation mode or data transfer operation mode.

5. The proximity regulation system as recited in Claim 1
wherein said portable cell phone is located on a belt-clip of said
user.

6. The proximity regulation system as recited in Claim 1
wherein said location sensing subsystem or said power governing
subsystem is embodied in an integrated circuit.

7. The proximity regulation system as recited in Claim 1
wherein said location sensing subsystem or said power governing
subsystem is embodied in a sequence of operating instructions.

8. The proximity regulation system as recited in Claim 1
wherein said location sensing subsystem determines said location by
employing a sensor selected from the group consisting of:

- a designated sensor,
- a contact sensor,
- a belt clip sensor, and
- a cradle sensor.

9. The proximity regulation system as recited in Claim 1
wherein said location sensing subsystem determines said location by
ascertaining a mode of operation of said portable cell phone.

10. A method of operating a portable cell phone, comprising:
2 determining a location of said portable cell phone
3 proximate a user;
4 providing a control signal based on said location; and
5 determining a proximity transmit power level of said
6 portable cell phone based on said control signal.

11. The method as recited in Claim 10 wherein said proximity
2 transmit power level is reduced when said location is within a
3 vicinity of a user's head.

12. The method as recited in Claim 10 wherein said proximity
2 transmit power level is limited to a predetermined maximum level.

13. The method as recited in Claim 10 wherein said proximity
2 transmit power level is maximum when said portable cell phone is
3 operating in a headset operation mode or data transfer operation
4 mode.

14. The method as recited in Claim 10 wherein said portable
2 cell phone is located on a belt-clip of said user.

15. The method as recited in Claim 10 wherein said
2 determining said location is performed by a location sensing
3 subsystem embodied in an integrated circuit.

16. The method as recited in Claim 10 wherein said
2 determining a proximity transmit power level is performed by a
3 power governing subsystem embodied in a sequence of operating
4 instructions.

17. The method as recited in Claim 10 wherein said
2 determining a location employs a sensor selected from the group
3 consisting of:

- 4 a designated sensor,
- 5 a contact sensor,
- 6 a belt clip sensor, and
- 7 a cradle sensor.

18. The method as recited in Claim 10 wherein said
2 determining a location is performed by ascertaining a mode of
3 operation of said portable cell phone.

19. A portable cell phone, comprising:

a power circuit that provides a network adjusted transmit power level as a function of a position to a communications tower; and

a proximity regulation system, including:

a location sensing subsystem that determines a location of said portable cell phone proximate a user; and

a power governing subsystem, coupled to said location sensing subsystem, that determines a proximity transmit power level of said portable cell phone based on said location.

20. The portable cell phone as recited in Claim 19 wherein said proximity transmit power level is reduced when said location is within a vicinity of a user's head.

21. The portable cell phone as recited in Claim 19 wherein said proximity transmit power level is limited to a predetermined maximum level.

22. The portable cell phone as recited in Claim 19 wherein
2 said proximity transmit power level is maximum when said portable
3 cell phone is operating in a headset operation mode or data
4 transfer operation mode.

23. The portable cell phone as recited in Claim 19 wherein
2 said portable cell phone is located on a belt-clip of said user.

24. The portable cell phone as recited in Claim 19 wherein
2 said location sensing subsystem or said power governing subsystem
3 is embodied in an integrated circuit.

25. The portable cell phone as recited in Claim 19 wherein
2 said location sensing subsystem or said power governing subsystem
3 is embodied in a sequence of operating instructions.

26. The portable cell phone as recited in Claim 19 wherein
2 said location sensing subsystem determines said location by
3 employing a sensor selected from the group consisting of:

- 4 a designated sensor,
- 5 a contact sensor,
- 6 a belt clip sensor, and
- 7 a cradle sensor.

27. The portable cell phone as recited in Claim 19 wherein
2 said location sensing subsystem determines said location by
3 ascertaining a mode of operation of said portable cell phone.

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